

WHAT IS CLAIMED IS:

1. A method of recycling a process cartridge containing a toner, wherein in a crushing process of a process cartridge containing a recovered toner, a
5 container shape of said process cartridge is subjected to disassembly treatment to an extent of main component parts, said toner is recovered by suction in a step of disassembly treatment, metal materials, such as ferrous materials and aluminum materials, in component
10 materials of said process cartridge are subjected to separation treatment after said step of disassembly treatment, and each of the materials is subjected to melting treatment thereby to change the materials to forms capable of reuse as ferrous materials and
15 aluminum materials.

2. The method of recycling a process cartridge containing a toner according to claim 1, wherein after said step of disassembly treatment of the process
20 cartridge, disassembled members of the process cartridge subjected to the disassembly treatment are transferred to a toner separation chamber adjacent to a disassembly treatment chamber, by causing an impact force to act on said disassembled members of the
25 process cartridge in said toner separation chamber, said toner is separated from said disassembled members and, at the same time, recovery of the toner by suction

is performed, metal materials are thereafter extracted from said disassembled members by use of magnetic separation means and eddy current separation means, and the extracted metal materials are melted and taken out.

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3. The method of recycling a process cartridge including a toner according to claim 2, wherein the purity of said metal materials in said step of separation treatment is not less than 90%.

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4. A method of recycling metal materials constituting a process cartridge containing a toner, wherein photosensitive drum parts, charging roller parts, cleaning blade parts and development sleeve parts which constitute said process cartridge and container parts made of a resin material containing each of the materials as well, are disassembled to a state separated from said container parts while performing the recovery of the toner by suction in a crushing process, metal materials are thereafter extracted from said parts by separating dissimilar materials by use of magnetic separation means, eddy current separation means and gravity separation means, and the extracted materials are recycled.

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5. A method of recycling metal materials constituting a process cartridge containing a toner, wherein in a

crushing process said process cartridge is crushed to such an extent that a structural form of said process cartridge is disassembled, and the toner is recovered by suction, and in a step of separating a container

5 portion made of a resin material, a charging roller, a cleaning blade, a development sleeve and a photosensitive drum which constitute said process cartridge for each component material, separation treatment is performed for each component material and

10 metal materials separated from said step of separation are reused.